

Executive Summary Report

SMOG CHECK Statewide

May 2007

1. Testing Volume

	Total	Failed	Percent (%) Fail
Initial Test	833,188	103,142	12.38%
Total	966,150	133,235	13.79%

2. Certification Volume

	Cert. Issued	Percent (%) Cert. Issued	No Cert.	Percent (%) No Cert.
Initial Test	713,578	85.64%	119,610	14.36%
Total	809,910	83.83%	156,240	16.17%

2a. Certification Volume (Test Only)

	Cert. Issued	Percent (%) Cert. Issued	No Cert.	Percent (%) No Cert.
Initial Test	416,189	85.50%	70,577	14.50%
Total	476,526	84.47%	87,592	15.53%

3. Initial Test Failures by Failure Type

	Failed	Percent (%) Fail
Gross Polluters	18,658	2.24%
All Emissions	59,351	7.12%
All Visual	11,883	1.43%
All Functional	31,629	3.80%
OBDII	30,373	3.65%
Overall	103,142	12.38%

4. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	G.P.	Percent (%) G.P.
Enhanced	662,081	83,286	12.58%	14,635	2.21%
Partially Enhanced	39,808	5,716	14.36%	1,024	2.57%
Basic	77,171	8,544	11.07%	1,931	2.50%
Change of Ownership	6,005	837	13.94%	240	4.00%
No Program	6	0	0.00%	0	0.00%
Unknown Program	48,117	4,759	9.89%	828	1.72%
Total Program Area	833,188	103,142	12.38%	18,658	2.24%

5. Initial Test Failures by Station Type

Station Types	All Tests Performed	Failed	Percent (%) Failed	G.P.	Percent (%) G.P.
Test Only	486,766	68,945	14.16%	13,124	2.70%
Regular	292,814	27,401	9.36%	4,284	1.46%
Basic Area Dealer	5,805	287	4.94%	32	0.55%
Gold Shield in Enhanced Area	30,127	3,832	12.72%	629	2.09%
Gold Shield in Basic Area	7,961	1,203	15.11%	282	3.54%
Gold Shield in COO Area	4,396	579	13.17%	164	3.73%
Business Fleet	30	2	6.67%	0	0.00%
Permanent Fleet Registered	52	7	13.46%	2	3.85%
Referee	968	503	51.96%	93	9.61%
Government Fleet	4,269	383	8.97%	48	1.12%
Total	833,188	103,142	12.38%	18,658	2.24%

5.a. Initial Tests at Test-Only Stations

	Initial Tests	Cert. Issued
Volunteers	237,460	211,186
Directed Vehicles	249,306	205,003
Total	486,766	416,189

5.b. Initial Tests at Gold Shield Stations

	Initial Tests	Cert. Issued
Volunteers	42,140	36,136
Directed Vehicles	344	41
Total	42,484	36,177

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6. Initial Tests by Vehicle Model Year

Model Year	Initial Test	Failed Overall	Percent (%) Fail Overall	Percent (%) Fail Emiss.	Percent (%) Fail G.P.	Percent (%) Fail Funct.	Percent (%) Fail Visual	Percent (%) Fail OBDII
1965	1	1	100.00%	100.00%	0.00%	0.00%	0.00%	0.00%
1966	2	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1968	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1971	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1972	1	1	100.00%	0.00%	0.00%	100.00%	100.00%	0.00%
1974	9	1	11.11%	11.11%	0.00%	11.11%	11.11%	0.00%
1975	18	8	44.44%	38.89%	16.67%	33.33%	22.22%	0.00%
1976	1,765	455	25.78%	19.32%	9.35%	12.75%	8.78%	0.00%
1977	2,400	596	24.83%	18.83%	8.67%	13.67%	8.13%	0.00%
1978	2,807	700	24.94%	18.49%	8.80%	12.90%	7.80%	0.00%
1979	2,869	867	30.22%	24.22%	12.27%	14.88%	9.31%	0.00%
1980	1,772	469	26.47%	20.99%	10.55%	13.94%	7.84%	0.00%
1981	2,272	685	30.15%	24.91%	12.06%	15.36%	8.32%	0.00%
1982	2,653	763	28.76%	23.29%	11.31%	14.66%	8.29%	0.00%
1983	3,918	1,150	29.35%	24.32%	11.43%	14.70%	7.58%	0.00%
1984	6,896	2,069	30.00%	24.48%	12.99%	15.34%	7.56%	0.00%
1985	9,335	2,710	29.03%	23.94%	11.24%	14.84%	6.08%	0.00%
1986	12,788	3,326	26.01%	20.55%	9.02%	13.38%	4.82%	0.00%
1987	14,952	4,140	27.69%	22.85%	9.16%	13.15%	4.69%	0.00%
1988	18,409	4,389	23.84%	18.83%	7.44%	11.85%	3.92%	0.00%
1989	23,937	5,037	21.04%	16.54%	6.10%	10.07%	3.06%	0.00%
1990	27,384	5,246	19.16%	15.14%	5.23%	8.85%	2.38%	0.00%
1991	31,193	5,528	17.72%	14.15%	4.75%	7.88%	1.94%	0.00%
1992	31,760	5,089	16.02%	12.52%	3.85%	6.95%	1.74%	0.00%
1993	36,367	6,428	17.68%	14.58%	3.34%	6.49%	1.77%	0.00%
1994	39,593	5,833	14.73%	11.50%	2.52%	5.86%	1.64%	0.00%
1995	58,777	6,889	11.72%	8.64%	1.77%	4.56%	1.26%	0.00%
1996	35,372	6,359	17.98%	7.18%	1.21%	1.63%	1.13%	12.12%
1997	72,530	8,573	11.82%	3.99%	0.66%	1.13%	0.74%	8.20%
1998	50,298	5,440	10.82%	3.23%	0.53%	0.90%	0.65%	7.82%
1999	98,205	6,612	6.73%	1.38%	0.25%	0.52%	0.47%	5.06%
2000	41,476	3,439	8.29%	1.42%	0.33%	0.67%	0.50%	6.49%
2001	134,937	7,718	5.72%	0.53%	0.13%	0.54%	0.30%	4.82%
2002	19,946	934	4.68%	0.49%	0.10%	0.38%	0.24%	3.65%
2003	23,206	813	3.50%	0.27%	0.07%	0.25%	0.13%	2.75%
2004	8,510	325	3.82%	0.22%	0.02%	0.28%	0.19%	3.04%
2005	6,342	236	3.72%	0.38%	0.03%	0.25%	0.50%	2.62%
2006	6,926	201	2.90%	0.20%	0.06%	0.17%	0.20%	2.38%
2007	3,534	112	3.17%	0.74%	0.23%	0.31%	0.71%	2.12%
2008	25	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2009	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total Model Year	833,188	103,142	12.38%	7.12%	2.24%	3.80%	1.43%	3.65%

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7. Referee Activity

	Certificates Issued
Certificate of Compliance	761
Certificate of Non Compliance	0
Parts Cost	98
Hardship Extensions	134
Exempt Vehicle	59
Exempted by Directive	129
Parts Exemption	3
Unknown Outcome	0
	1,184

8. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,252
Stations Locked-Out at Least Once	259
Stations Conducted at Least One Test	7,732

9. Active Technicians

		Technician Count	Daily Average
EA	Both Endorsement	10,557	6,026
EA	Gas Endorsement	16	0
EB	Both Endorsement	58	0
EB	Gas Endorsement	566	0
GU	Both Endorsement	20	0

10. Inspections Costs

	ASM Initial Test Count	Avg ASM Inspection Cost	TSI Initial Test Count	Avg TSI Inspection Cost	Total Initial Tests	Overall Average Inspection Cost
Test Only	435,356	48.20	43,233	48.29	478,589	48.21
Test and Repair	201,393	46.87	87,043	44.50	288,436	46.16
Test and Repair Dealer	18	43.00	5,787	46.57	5,805	46.56
Referee	606	30.00	204	30.00	810	30.00
Gold Shield in Enhanced Area	22,192	47.02	7,761	41.62	29,953	45.63
Gold Shield in Basic Area	16	63.44	7,945	33.92	7,961	33.98
Gold Shield in COO Area	138	69.33	4,363	48.06	4,501	48.71

11. Repair Costs

	All Cost Ranges	Repair Count	Average Cost	(All Cost Ranges) Repair Count	(All Cost Ranges) Average Cost
Regular Repairs	\$0-50	7,481	22.49	24,985	208.15
	\$51-150	6,516	101.10		
	\$151-250	4,093	199.11		
	\$251-450	4,184	336.69		
	Over \$450	2,711	793.07		
Cap Repairs	\$0-50	171	24.61	3,664	341.56
	\$51-150	362	107.54		
	\$151-250	598	203.52		
	\$251-450	1,446	347.91		
	Over \$450	1,087	536.84		
Total Repairs	\$0-50	6,701	22.79	25,995	248.21
	\$51-150	5,518	101.50		
	\$151-250	4,328	199.77		
	\$251-450	5,366	341.76		
	Over \$450	4,082	744.96		

12. CAP Repair Costs

	Total Vehicles	Average Repair Cost
Cap Repairs	3,664	341.56

13. Drill-Through

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Tests	All Emission Tests	All Functional Tests	All Visual Tests
Acceleration Simulation Mode (ASM)	Basic	Gold Shield in Enhanced Area	3	2	0	0	0	1	1	0

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	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Tests	All Emission Tests	All Functional Tests	All Visual Tests
Acceleration Simulation Mode (ASM)	Basic	Test and Repair	43	5	1	0	0	5	1	0
Acceleration Simulation Mode (ASM)	Basic	Test Only	31	5	0	0	0	3	2	1
Acceleration Simulation Mode (ASM)	Change of Ownership	Test and Repair	11	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	3	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Enhanced	Business-Fleet	23	2	0	0	0	2	0	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	15,442	2,157	297	113	992	955	505	228
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	102	4	1	47	36	13	1
Acceleration Simulation Mode (ASM)	Enhanced	Permanent Fleet Registered	7	3	0	0	1	2	0	0
Acceleration Simulation Mode (ASM)	Enhanced	Referee	306	306	55	127	55	176	99	168
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	144,724	14,757	1,832	784	6,319	6,728	3,816	1,434
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	354,333	61,291	11,586	3,513	14,955	39,585	19,746	7,046
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	2,303	510	84	29	144	312	133	60
Acceleration Simulation Mode (ASM)	Partial	Government Fleet	0	5	1	0	0	4	1	0
Acceleration Simulation Mode (ASM)	Partial	Referee	12	23	4	9	9	13	10	14
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	17,883	3,149	538	194	791	1,925	972	377
Acceleration Simulation Mode (ASM)	Partial	Test and Repair Dealer	8	3	1	0	0	3	1	0
Acceleration Simulation Mode (ASM)	Partial	Test Only	9,562	1,722	316	109	441	1,056	528	223
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in COO Area	1	1	1	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	1,268	218	36	18	77	124	58	28
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	239	35	2	52	177	27	3

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	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Tests	All Emission Tests	All Functional Tests	All Visual Tests
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	49	31	5	10	9	18	11	18
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	15,048	1,564	226	98	613	769	371	189
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	12,367	1,739	351	112	603	1,000	478	224
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	5,748	1,085	252	76	261	494	471	145
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	207	25	7	1	5	13	11	5
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	3,156	510	117	40	138	219	204	91
Two Speed Idle (TSI)	Basic	Government Fleet	0	13	1	0	4	8	1	0
Two Speed Idle (TSI)	Basic	Referee	41	36	9	18	4	17	14	25
Two Speed Idle (TSI)	Basic	Test and Repair	45,323	5,499	1,260	308	1,558	2,446	2,088	658
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	4,158	218	28	12	74	78	66	29
Two Speed Idle (TSI)	Basic	Test Only	7,524	1,145	256	80	312	550	349	140
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	66	16	7	1	3	10	7	1
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	2,001	380	117	34	59	230	145	56
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	112	38	12	1	14	22	14	4
Two Speed Idle (TSI)	Change of Ownership	Referee	0	3	2	1	0	2	3	2
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	2,000	263	66	18	71	124	93	36
Two Speed Idle (TSI)	Change of Ownership	Test Only	819	132	36	13	23	74	49	23
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	415	43	8	2	15	15	15	2
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	416	36	4	2	16	8	14	3
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	2,787	312	71	20	114	136	86	50
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	19	6	0	9	9	2	0
Two Speed Idle (TSI)	Enhanced	Permanent Fleet Registered	18	4	2	0	0	2	3	3
Two Speed Idle (TSI)	Enhanced	Referee	58	39	7	14	16	14	5	22
Two Speed Idle (TSI)	Enhanced	Test and Repair	22,881	1,496	226	74	778	451	326	132
Two Speed Idle (TSI)	Enhanced	Test Only	28,178	2,679	537	102	1,231	1,028	576	222
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	218	27	6	2	11	12	8	3
Two Speed Idle (TSI)	Partial	Referee	2	2	1	0	1	1	1	0

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	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Tests	All Emission Tests	All Functional Tests	All Visual Tests
Two Speed Idle (TSI)	Partial	Test and Repair	1,800	194	52	14	70	82	48	28
Two Speed Idle (TSI)	Partial	Test Only	800	67	21	5	17	39	7	9
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	359	55	15	5	12	27	20	8
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	1,029	128	35	14	41	62	45	25
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	489	58	6	0	28	19	15	4
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	5	1	0	2	3	0	0
Two Speed Idle (TSI)	Unknown Program	Referee	41	27	10	4	3	21	5	22
Two Speed Idle (TSI)	Unknown Program	Test and Repair	5,632	473	83	29	225	152	122	65
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	544	33	3	3	18	6	7	3
Two Speed Idle (TSI)	Unknown Program	Test Only	2,571	164	21	10	99	45	25	17
UnKnown TestType	Basic	Referee	1	1	0	0	0	1	0	1
UnKnown TestType	Enhanced	Referee	9	9	0	0	0	9	0	9
UnKnown TestType	Partial	Referee	1	1	0	0	0	1	0	0
UnKnown TestType	Unknown Program	Referee	24	24	0	0	1	24	0	22

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